

I CLAIM:

1. An electrode comprising:
 - an outer cylindrical conductor;
 - an inner cylindrical conductor;
 - 5 a plurality of members securing the inner cylinder inside the outer cylinder;
 - a power source connected to the inner and outer cylinders;
 - a basin having a conductive fluid therein;
 - 10 wherein the electrode is immersed in the fluid;
 - a current ranging from 0.1 to 4 amps controllably passing between the conductors; and
 - wherein the power source has a failsafe circuit breaker preventing a set power limit from
 - 15 passing between the electrodes.
2. The electrode of claim 1, wherein the outer cylinder is about 50.8 mm (2 inches) wide and 76.4 mm (3 inches) high, and the inner cylinder is about 25.4 mm (1
20 inch) wide and 101.6 mm (4 inches) high.
3. The electrode of claim 2, wherein the plurality of members each further comprises a bolt having an insulating sleeve.

25

4. The electrode of claim 1 further comprising a stand forming an insulator between the conductors.

5. The electrode of claim 1, wherein the power source
5 further comprises an AC/DC transformer based circuit having a fuse, a circuit breaker and a timer.

6. The electrode of claim 2, wherein a surface area of the outer conductor relative to a surface area of the inner
10 conductor is about 3:1.